

Product datasheet for **SC332390**

KAT6B (NM_001256468) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: KAT6B (NM_001256468) Human Untagged Clone
Tag: Tag Free
Symbol: KAT6B
Synonyms: GTPTS; MORF; MOZ2; MYST4; qkf; querkopf; ZC2HC6B
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332390 representing NM_001256468.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

ATGGTAAAACCTTGCAAACCCACTTTATACAGAGTGGATTCTTGAAGCTATACAGAAAATAAAAAAGCAA
AAGCAAAGGCCCTCTGAAGAGAGAATCTGCCATGCGGTCACTACTCCCATGGGTTGGATAAGAAGACA
GTCTCTGAACAGCTGGAACCTCAGTGTTCAGGATGGCTCAGTTCTCAAAGTCACCAACAAAGGCCCTTGCC
TCCTATAAGGACCCAGACAACCCCTGGGCGCTTTTCATCAGTTAAACCAGGCACCTTTCTAAGTCAGCC
AAGGGGTCTAGAGGATCATGTAATGATCTCCGCAATGTGGATTGGAATAAACTTTAAGGAGAGCAATT
GAAGGACTTGAGGAGCCGAATGGCTCCTCCCTGAAGAACATAGAGAAGTATCTCAGAAGTCAAAGTGAT
CTCACAAGCACCCACCAACACCCAGCCTTTCAGCAGCGGCTGCGACTGGGGGCCAAACGCGCTGTGAAT
AATGGGAGGTTACTGAAAGACGGACCGCAGTACAGGGTCAATTATGGGAGCTTAGATGGCAAAGGGGCA
CCTCAGTATCCCAGTGCATTCCCATCCTCGCTCCCACCTGTCAGCCTTCTACCCCATGAGAAAGACCAG
CCCCGTGCTGATCCCATTCCAATATGTAGCTTCTGTTGGGGACTAAAGAATCAAATCGTGAAAAGAAA
CCAGAAGAACTCCTCTCTGTGCAGATTGTGGCAGTAGTGGACACCCATCCTGTTGAAATTTGTCT
GAATTAACAACAAATGTAAGGCCTTAAGGTGGCAGTGCATCGAATGCAAGACATGCAGTGCCTGTAGA
GTCCAAGGCAGAAATGCTGATAATATGCTTTTTTGTGATTCTGTGATAGAGGATTTCATATGGAATGC
TGTGACCCACCCTTTCCAGAATGCCAAAAGGGATGTGGATTTGCCAAGTCTGCAGACCAAGAAAAAG
GGAAGAAAACACTTTCATGAGAAAAGCTGCACAAAATAAACGACGATATGCAAAACCCATTGGACGACCG
AAAAATAAATTAAGCAACGATTGTTGTCTGTAACCAAGTATGAAGGATCCATGAATGCATTACAGGA
AGGGGTCACCTGGTAGGGTCAAAGACTAAAGTCTGTACCACACCTTCATCTGGTCTGCTGCATCT
GGGAAGGACTCAAGCAGCAGATTGGCTGTTACAGACCCCACTCGGCTGGTGCCACCACCAAAATCACC
ACCACCTCCACCTACATTTCTGCCTCTACACTTAAAGTTAACAAGAAAACCAAAGGGCTCATTGATGGC
CTTACTAAGTTTTTACACCATCACCTGATGGTCGCAGATCACGAGGTGAAATTATAGACTTTTCAAAG
CACTATCGTCCAAGGAAAAAGTCTCTCAGAAACAGTGCATGCACTTCTCATGTGTTGGCTACAGACT
GAAATAAAAAATAACATCAAACAAGAAAGTGCAGATGTAATGTGATTGGAACAAGGATGTCGTTACT
GAAGAGGATTTGGATGTTTTAAGCAGGCCAGGAACCTTCTGGGAGAAAATAGAGTGTGAGAGTGGG
GTGGAAGACTGTGGCCGGTACCCTTCTGTGATTGAATTTGGTAAATATGAAATCCAAACCTGGTACTCC
TCGCTTACCCACAGGAATATGCAAGATTACCAAAGCTTTACCTGTGTGAATTCTGTCTAAATATATG
AAAAGTAAAAATTTTTGCTAAGACACTCCAAGAAGTGTGGATGGTTTCATCCTCCAGCAAAATGAAATT
TACCGAAGGAAAGACCTTTCAGTATTTGAGGTTGATGGGAATATGAGCAAAATTTATTGCCAAAACCTT
TGCTTGTAGCCAAGCTTCTCTGGACCACAAAACGTTGATTATGATGTCGAGCCATTCCTTTTTTAT
  
```



[View online »](#)

GTCCTTACAAAAATGATGAAAAGGCTGTCTCTGGTTGGATACTTCTCTAAGGAAAAGCTTTGCCAG
 CAGAAGTATAATGTCTCCTGCATAATGATCATGCCCCAGCACAAAGGCAAGGATTTGGACGGTTTCTC
 ATTGATTTAGCTATTTGCTTTCTAGAAGAGAAGGCCAAGCAGGGTCTCCTGAAAAGCCTCTCTCCGAT
 CTGGGCGGTCTCTCTACCTGGCATTGGAAGAGCGTCATCTTGGAGTATCTCTACCACCACCATGAG
 AGGCACATCAGCATCAAGGCAATTAGCAGAGCGACGGGCATGTGCCACATGACATTGCCACCCTCTG
 CAGCACCTCCACATGATCGACAAGAGAGATGGCAGATTTGTCATCATTAGACGGGAAAAGTTGATATTG
 AGCCACATGAAAAGCTGAAAACCTGTTCCAGAGCCAATGAACTTGATCCAGACAGTCTGAGGTGGACC
 CCAATTTTAATTTCTAATGCTGCAGTGTCTGAAGAAGAGCGAGAAGCTGAGAAAAGAGGCTGAGCGGCTA
 ATGGAACAAGCTAGTGTCTGGGAGAAGGAGGAACAAGAAATCCTGTCAACTAGAGCTAACAGTAGGCAA
 TCACCTGCAAAAGTACAATCGAAAAATAAATATTTGCATTCCCGGAGAGCCGGCCAGTCACAGGGGAG
 CGAGGGCAGTGTCTGAGCTGTCTAAAGAGAGCAGTGAAGAAGAAGAGGAGGAGGAGGACGAGGAGGAG
 GAAGAAGAGGAGGAAGAAGAGGAAGAGGATGAAGAGGAGGAAGAAGAGGAAGAAGAAGAAGAAGAA
 GAAAATATTCAAAGCTCTCCCCAAGATTGACGAAACCACAGTCAGTTGCCATAAAGAGAAAAGGGCCT
 TTTGTACTAAAGAAGAAAAGGGTCTGTAACGCAGGAGGATCAACAGCAGTGTAAACACAGAGACCATT
 TCAGAGACGACAGAAGTACTGAATGAGCCCTTTGACAACCTCAGATGAAGAGAGGCCAATGCCACAGCTG
 GAGCCTACCTGTGAGATTGAAGTGGAGGAAGATGGCAGGAAGCCAGTCTGAGAAAAGCATTCCAGCAT
 CAGCCTGGGAAGAAAAGCAAAACAGAGGAAGAGGAAGGAAAAGACAATCATTGCTCAAGAATGCTGAC
 CCTGTAGAAAACAATATGAATGATGATTCAAGTAACTTGAAGAAGGAGTAAAGACAATCCCGAACCT
 CTAAGTGCAAAACAAGTGTGGCCAAAAGGAACAAGCGCGGTCTATCTAAGTGGAGGCAAAAACAAGAG
 AGGAAGACCGGATTTAACTGAATTTGTACACCCCGCCAGAAAACCCCATGGAGCCTGACGAGCAGGTA
 ACAGTGGAAAGACAGAAGGAGACTTCAGAAGGAAAAACCAGCCCCAGTCCCATCAGGATTGAGGAGGAG
 GTCAAGGAAACTGGGGAAGCCCTGTTGCCTCAAGAGGAAAACAGAAGGGAAGAACAATGTGCCCTGTA
 AGTCCAAAACATCACCAGGTGAAAACCCAGAAGATGATCTCATCAAACCTGAGGAAGAGGAAGGAG
 GAGGAGGAGGAAGAGGAAGAAGAGGAAGAAGAGGAAGGGGAAGAAGAAGGAGGAGGAATGTAGAA
 AAAGATCCAGATGGTGTCTAAAAGCCAAGAAAAAGGAACCCAGAAATCTCCACGGAAGAAAGACTCT
 GCACGTTTGGATGATCACGAAGAGGAGGAGGAAGAGGATGAAGAGCCATCCCACAACGAGGACCATGAT
 GCCGATGACGAGGATGACAGCCACATGGAGTCTGCCGAAGTGGAGAAGGAAGAGCTGCCAGAGAAAAGC
 TTCAAAGAAGTACTGGAAAACCAGGAGACTTTTTAGACCTTAATGTGCAGCCTGGTCACTCGAACCCA
 GAGGTCTTAATGGACTGTGGCGTCGACCTGACAGCTTCTGTAAACAGTGAAGCCAAAGGAGCTTGTGGG
 GACCCTGAAGCTGTACCCGAATCTGACGAGGAGCCACCCAGGAGAACAGGCACAGAAGCAGGACCAA
 AAGAACAGCAAGGAAGTCGATACAGAGTTCAAAGAGGGAACCCAGCAACCATGGAAATCGACTCTGAG
 ACTGTCCAGGCCGTTTCACTCTTTGACCCAGGAGAGCAGCGAACAGGACGACACCTTTAGGATTGTGCC
 GAGACTCAAGAGGCTGTAGAAGCTACAGAATACACCCGTGCAGACCAAGTCCACAGATTGCCACC
 ACGCTCGACGATTGCCAACAGTCGGACCACAGTAGCCAGTTTCACTCCGTCCTCCATCCTGGCCAG
 TCCGTACGTTCTGTCAACAGCCCAAGTGTCCCTGCTCTGGAAAACAGCTACGCCCAAATCAGCCAGAT
 CAAAGTGCATCTCAGTGCCATCTCTGCAGAATGGAACCAGTCCCATGATGGATGTCCCATCAGTT
 TCAGATCATTACAGCAAGTCGTAGACAGTGGATTTAGTGACCTGGGCAGTATCGAGAGCACAACAGT
 AACAGTACGAAAACCAAGCAGCTACGATTCTACTATGGGAGGCAGCATCTGTGAAAACGGCTTTACAG
 AACAGTGTCTCTATAGCAACCTCACCTCCAGCAGTCTGACACAGAGCAGCTGTGCTGTACCCAGCAG
 ATGTCCAACATCAGCGGGAGCTGCAGCATGCTGCAGCAAACCAGCATCAGTCCCCTCCGACCTGCAGC
 GTCAAGTCTCCTCAAGGCTGTGTGGTGGAGAGGCCCTCCGAGCAGCAGCCAGCAGTGGCTCAGTGCAGC
 ATGGCTGCTAACTTACCCCAACCATGCAGCTGGCTGAAATCCCGGAGACGAGCAACGCCAACATTGGC
 TTATACGAGCGAATGGTTCAGAGTGATTTTGGGGTGGGCATTACCCGACGCCGTGAGCCACCTTACAGC
 CTTGCCAAACTGCAGCAGTTAACTAATACTATTGATCATTGCTTACAGCCATTCCGCTGCT
 GTGACTTCTATGCAAACAGTGCCTCTTTGTCCACACCATTAAGTAACACAGGGCTTGTCAACTTTCT
 CAGTCTCCACACTCCGTCCTGGGGACCCCAAGCACAAGCTACCATGACCCACCCCAACCTGACT
 CCTCTCAATGAATCTGCCGCCGCTCTTTTGAACGGAACATGGCTGCATCAAATATTGGCATCTCT
 CACAGCCAAAGACTGCAAACCCAGATTGCCAGCAAGGGCCACATCTCCATGAGAACCAAGTCAGCGTCT
 CTGTACCCAGCCGCTGCCACCCATCAGTCACAATCTATGGGCGCTCCCAGACTGTAGCCATGCAGGGT
 CCTGCACGGACTTTAACGATGCAAAGAGGCATGAACATGAGTGTGAACCTGATGCCAGCGCCAGCCTAC
 AATGTCAACTCTGTGAACATGAACATGAACACTCTCAACGCCATGAATGGGTACAGCATGTCCCAGCCA
 ATGATGAACAGTGGTACCACAGCAATCATGGCTATATGAATCAAACGCCCAATACCCTATGCAGATG

CAGATGGGCATGATGGGCACCCAGCCATATGCCAGCAGCCAATGCAGACCCACCCACGGTAACATG
ATGTACACGGCCCCGGACATCACGGCTACATGAACACAGGCATGTCCAACAGTCTCTCAATGGCTCC
TACATGAGAAGGTAG

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001256468
Insert Size:	5673 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001256468.1
RefSeq Size:	7960 bp
RefSeq ORF:	5673 bp
Locus ID:	23522
UniProt ID:	Q8WYB5
Cytogenetics:	10q22.2
Protein Families:	Druggable Genome
MW:	211.5 kDa
Gene Summary:	<p>The protein encoded by this gene is a histone acetyltransferase and component of the MOZ/MORF protein complex. In addition to its acetyltransferase activity, the encoded protein has transcriptional activation activity in its N-terminal end and transcriptional repression activity in its C-terminal end. This protein is necessary for RUNX2-dependent transcriptional activation and could be involved in brain development. Mutations have been found in patients with genitopatellar syndrome. A translocation of this gene and the CREBBP gene results in acute myeloid leukemias. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2012]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1. Variants 2 and 10 both encode the same isoform (2).</p>